

Title	Maintain helicopter gearboxes or transmissions		
Level	4	Credits	15

Purpose	People credited with this unit standard are able to: prepare to maintain helicopter gearboxes or transmissions; locate defects in helicopter gearboxes or transmissions; restore airworthiness of helicopter gearboxes or transmissions; and complete finishing activities related to maintaining helicopter gearboxes or transmissions.
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Classification	Aeronautical Engineering > Helicopter Maintenance
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Available grade	Achieved
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Guidance Information

- 1 All tasks must be carried out in accordance with enterprise procedures.
- 2 Definition
Enterprise procedures – procedures used by the organisation carrying out the work and applicable to the tasks being carried out. Examples are – standard operating procedures, safety procedures, equipment operating procedures, codes of practice, quality management practices and standards, procedures to comply with legislative and local body requirements.
- 3 The maintenance activities referred to in this unit standard are those normally carried out on a helicopter in a hangar.
- 4 The scope of the system that this standard relates to is described in the applicable chapters of ATA iSpec 2200.

Outcomes and performance criteria

Outcome 1

Prepare to maintain helicopter gearboxes or transmissions.

Performance criteria

- 1.1 Task is determined by reviewing maintenance.
- 1.2 Resources are obtained and checked for serviceability.

Range may include but is not limited to – publications, tools, equipment, safety equipment, materials.

- 1.3 Helicopter registration and component to be maintained are matched with documentation.
- 1.4 Helicopter and component are prepared for the application of power and system operation.
- Range may include but is not limited to – cockpit controls match component positions, clearances, isolation tags, warning signs.
- 1.5 Ground and/or support equipment is positioned ready for helicopter gearbox or transmission maintenance activities.

Outcome 2

Locate defects in helicopter gearboxes or transmissions.

Performance criteria

- 2.1 Serviceability is determined.
- Range inspect, assess, test.
- 2.2 Defects are reported and documented.

Outcome 3

Restore airworthiness of helicopter gearboxes or transmissions.

Performance criteria

- 3.1 Methods of rectifying defects are determined.
- 3.2 Replacement parts are procured and verified as authentic and serviceable.
- Range identify, inspect.
- 3.3 Defects are rectified.
- Range may include but is not limited to – repair, replace, modify, adjust, calibrate, lubricate.
- 3.4 Helicopter gearboxes or transmissions are tested to verify serviceability.
- 3.5 Inspections are obtained.

Outcome 4

Complete finishing activities related to maintaining helicopter gearboxes or transmissions.

Performance criteria

4.1 Completion activities specific to the task and work area are carried out.

Range may include but is not limited to – tool control, cleanliness, tidiness, return of publications, preparation for next activity, return of helicopter and systems to normal.

4.2 Resources are checked for serviceability and returned to service or storage.

Range tools, equipment, safety equipment.

4.3 Leftover parts and materials are disposed of.

Range may include but is not limited to – serviceable, unserviceable, surplus, waste, scrap, hazardous.

4.4 Documentation is completed.

Planned review date	31 December 2027
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	18 June 2014	31 December 2021
Review	2	26 March 2020	N/A
Rollover and Revision	3	27 June 2024	N/A

Consent and Moderation Requirements (CMR) reference	0028
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact Ringa Hora Services Workforce Development Council qualifications@ringahora.nz if you wish to suggest changes to the content of this unit standard.